U.S. Patent and Trade

unless it displays a valid OMB control number.

"CHURLERE LEGION"

of 1995, no persons are required to respond to a collection of info UTILITY **PATENT APPLICATION**

Attorney Docket No. 03248.00038 First Inventor Anthony C. Mulligan, et al. Aligned Composite Structrues For Mitigation Of Impact Damage And Resistance To Wear In Dynamic Environments

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

TRANSMITTAL

						Label IVO.	EL 620736232	00		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.				ADDF	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Westigney Box 2000					
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,				8. Nuci (<i>if aµ</i> a.	Washington, DC 20231					
	or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure							PLICATIONS PARTS		
					9. 🗌 10. 🗍	9. Assignment Papers (cover sheet & document(s))				
		-100.00010			11. 🔲	English T	ranslation Doc	cument <i>(if applicable)</i>		
4. Drawing(s) (35 U.S.C.113) [Total Sheets 4] 5. Oath or Declaration [Total Pages 3]				12. 🗌						
a. Newly executed (original or copy)				13. 🔲	Prelimina	ry Amendmen	t			
b. Copy from a prior application (37 CFR 1.63 (d))					14. 🛛					
_	(for a continuation/divisional with Box 18 completed)					(Should be specifically itemized)				
i. [DELETION	OF INVENTO	DR(S)		15.	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)				
	Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).				16. 🗌	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35				
6. Application Data Sheet. See 37 CFR 1.76					17. 🛛	or its equivalent. 17. Other: Certificate of Mailing Via U.S. Express Mail				
18. If a CON	NTINUING APPL	CATION, check a	appropriate t	oox, and supp	ly the requisit	e informatio	n below and in	a preliminary amendment,		
or in an App	<i>piication Data Si</i> tinuation	neet under 37 CF	-R 1.76:							
		☐ Divisional		tinuation-in-pa	rt (CIP)	of pr	rior application N	0:/		
Prior application information: Examiner										
· · · · · · · · · · · · · · · · · · ·	oration <u>can only</u>	be relied upon w	nen a portio	ii iias beeli ii	ladvertently o	mitted from	the submitted a	application parts.		
······································	-	-	17. (JURKESPU	NDENCE AD	DRESS				
☐ Customer Number or Bar Code Label (Insert Customer No. or Atta					ttach bar code	or Correspondence address below ch bar code label here)				
Name										
· vaing	Banner & Wit	coff, Ltd.								
Address	10 South Wacker Drive									
Address	Suite 3000									
City	Chicago State			Illinois	inois Zip Code 60606					
Country	Intry United States of America Telephone		312-715-10	l	Fax	312-715-1234				
(N. (D.) (E.)				egistration No. (Attorney/Agent) 42,109						
Signature Rebecce P. Roke				Copy -		Date December 4, 2001				
				<u> </u>			j i	,		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Complete if Known						
Application Number	Not Yet Assigned					
Filing Date	Concurrently Herewith					
First Named Inventor	Anthony C. Mulligan					
Examiner Name	Not Yet Assigned					
Group / Art Unit	Not Yet Assigned					

TOTAL AMOUNT OF PAYMENT

496

03248.00038 Attorney Docket No.

		METHOD O	F PAYMENT (chec	k one)				FEE C	ALCULATION (continued)	
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:				3. AD	3. ADDITIONAL FEES Large					
l '· —		indicated t	indicated fees and credit any over payments to:					Small Entity		
Depo Acco		01-0850	<u> </u>		Fee Code	Entity Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Number				105	130	205	65	Surcharge - late filing fee or oath		
Deposit					127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
Acco		Banner & \	Witcoff, Ltd.		139	130	139	130	Non-English specification	
Name					147	2,520	147	2,520	For filing a request for reexamination	
☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17					112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
Applicant claims small entity status. See 37 CFR 1.27					113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
2. Payment Enclosed:					115	110	215	55	Extension for reply within first month	
☐ Check ☐ Credit card ☐ Money ☐ Other Order				116	400	216	200	Extension for reply within second month		
FEE CALCULATION					117	920	217	460	Extension for reply within third month	
1. E	BASIC FI	LING FEE	OALGGLATION		118	1,440	218	720	Extension for reply within fourth month	
Large	Entity		у		128	1,960	228	980	Extension for reply within fifth month	
Fee Code		Fee Fee Code (\$)	Fee Description		119	320	219	160	Notice of Appeal	
101	(\$) 740		I Milia dilim a fa a	Fee Paid	120	320	220	160	Filing a brief in support of an appeal	
106		201 370 206 165	Utility filing fee	370	121	280	221	140	Request for oral hearing	
107		207 255	Design filing fee Plant filing fee		138	1,510	138	1,510	Petition to institute a public use proceeding	
108		208 370	Reissue filing fee	•	140	110	240	55	Petition to revive – unavoidable	
114	160	214 80	Provisional filling	fee	141	1,280	241	640	Petition to revive – unintentional	
SUBTOTAL (1) (\$) 370					142	1,280	242	640	Utility issue fee (or reissue)	
		30510	IAL (I)	_(\$) 370	143	460	243	230	Design issue fee	
2. EXTRA CLAIM FEES					144	620	244	310	Plant issue fee	
Extra Fee from Fee					122	130	122	130	Petitions to the Commissioner	
Total Claim	ns 16	-20 **		elow Paid 9 = 0	123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
Independen Claims				42 = 126	126	180	126	180	Submission of Information Disclosure Stmt	
Multiple Dependent			×[= 0	581	40	581	40	Recording each patent assignment per property (times number of properties)	
Large Fee	Entity Fee		ntity		146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
Code 103	(\$) 18	Code (\$	Fee Descripti		149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
103	84	203 9		ess or 20	179	740	279	370	• • • • • • • • • • • • • • • • • • • •	
104	280			ndent claim, if not paid	1				Request for Continued Examination (RCE)	
109	84	209 42	** Doisous ind	ependent claims over	169	900	169	900	Request for expedited examination of a design application	
110	18	210 9 ** Reissue claims in excess of 20 and				Other for (monify)				
SUBTOTAL (2) (\$) 126				Other fee (specify)						
ttor mumb			tor Car Baisance		*Reduc	ed by Ba	sic Filing	Fee Pa	id SUBTOTAL (3) (\$) 0	

SUBMITTED BY Complete (if applicable)								
Name (Print/Type)	Rebecca P. Rokos	Registration No. Attorney/Agent)	42,109	Telephone	312-715-1000			
Signature	Debecca	P. Rotos		Date	December 4, 2001			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Express Mail No .: EL 820756232 US

MODIFIED PTO/SB/92 (08-00)

Date Deposited: December 4, 2001

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on the date indicated above in an envelope addressed to:

U.S. Patent and Trademark Office Box Patent Application P. O. Box 2327 Washington, D.C. 22202

Ву:

(person actually depositing

Application Number:

Filing Date:

Not Yet Assigned

Concurrently Herewith

First Named Inventor:

Anthony C. Mulligan, et al.

Group Art Unit:

Not Yet Assigned

Examiner Name:

Not Yet Assigned

Attorney Docket No.

03248.00038

- 1. Utility Patent Application Transmittal;
- 2. Fee Transmittal for FY 2002;
- 3. Application Data Sheet;
- 4. Patent Application (33 sheets including Abstract);
- 5. Drawings (4 sheets with Fibures 1-4, 5a-5c and 6-7);
- 6. Joint Declaration for Patent Application; and
- 7. Return Postcard

PATENT APPLICATION SERIAL NO.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

12/11/2001 RMEBRAHT 00000052 010850 10005084

370.00 CH 45.00 CH 126.00 CH 140.00 CH 01 FC:201 02 FC:203 03 FC:202 04 FC:204